PELCO®

DX8100 Series Upgrade and Recovery Instructions

Version 1.1

DX8100 Digital Video Recorder

C2640M-B (12/07)

Upgrade and Recovery Instructions

Welcome to the DX8100 Series digital video recorder (DVR) upgrade and recovery instructions. This document describes how to upgrade from DX8100 v1.0 to Windows® 2000 or Windows XP Embedded v1.1.

This upgrade and recovery manual supports the following scenarios:

- Upgrading from Windows 2000 v1.0 to Windows 2000 v1.1
- Upgrading from Windows 2000 v1.0 to Windows XP Embedded v1.1
- Recovering an existing DX8100 v1.1 system, which was upgraded to Windows 2000 v1.1
- Recovering a new DX8100 v1.1 system, which comes with Windows XP Embedded already installed

NOTE: This document only contains DX8100 recovery instructions for the v1.1 release.

In the event that you have to perform a recovery procedure, to preserve your settings, perform the DX8100 settings export/import procedure before you use the DX8100 Recovery DVD to perform the recovery procedure.

The steps for performing a recovery procedure are summarized as follows:

1. Perform the DX8100 export procedure described in *DX8100 Settings Export/Import Procedure* on page 3. This step saves your camera properties, schedules, and user configurations.
2. Perform the DX8100 recovery procedure.
3. Perform only the DX8100 import procedure described in *DX8100 Settings Export/Import Procedure* on page 3. This step imports the camera properties, schedules, and user configurations that you saved in step 1.

VIEWING VIDEO OR UPGRADING CLIENT SOFTWARE OVER THE NETWORK

IMPORTANT: If you encounter a problem viewing video or upgrading your PC Client software over the network from a DX8100 server, try turning off IPSec on both the DX8100 server and PC Client machine. If that produces video, leave IPSec turned off. Be advised that disabling IPSec security services will expose your DX8100 Series DVR to potentially damaging network traffic. For more information on protecting your system from harmful network traffic, contact your network administrator. If only the PC Client update is affected, turn IPSec back on after the application is updated. It is highly recommended that IPSec security be enabled at all times for the protection of your system.

DX8100 Settings Export/Import Procedure

The DX8100 Settings export/import procedure describes how to do the following:

- Export your current DX8100 configuration settings
- Use the DX8100 Recovery DVD
- Import your current DX8100 configuration settings and reconfigure the DX8100

The steps to perform the two phases export and import procedure are summarized as follows:

- Export settings phase:
  - Task 1: Recording DX8100 network settings
  - Task 2: Exporting DVR settings
  - Task 3: Recording IP security settings
  - Task 4: Running the DX8100 recovery procedure
- Import settings phase:
  - Task 5: Entering networking settings
  - Task 6: Importing the DX8100 DVR settings
  - Task 7: Configuring IP security settings

EXPORT PHASE

Task 1: Recording DX8100 Network Settings

To document the DX8100 network settings:

1. Click the Setup icon.
2. Click the Network icon and do the following:
   a. Record the DX8100 IP address: _____.
   b. Record the subnet mask: _____.
   c. Record the default gateway address: _____.
   d. Indicate if Obtain an IP Address Automatically is: Checked _____ Unchecked _____.
   e. If Enable Multicasting is selected, record the multicast group IP address _____.

Task 2: Exporting DVR Settings

To export the DX8100 DVR settings:

1. Insert a USB key into one of the DX8100 USB ports on the front panel.
2. Click Edit > Export Setup.
3. Double-click the drive assigned to your USB key.
4. Type a name for your backup file in the File name text box, and then click Save. The DX8100 exports the settings to the USB key.

   NOTE: Allow 60 seconds for the export process to finish, to ensure that all of the DX8100 settings are exported, before performing step 5.
5. To stop the USB device, do the following:
   a. From the DX8100 menu, click File > Unplug/Eject Hardware. The Unplug or Eject Hardware dialog box opens.
   b. Click Stop. The Stop a Hardware device dialog box opens.
   c. Select the USB device to which the DX8100 settings are exported.
   d. Click OK. The Safe to Remove Hardware dialog box opens.
   e. Click OK.
   f. Click Close.
6. Unplug the USB key.

Task 3: Recording IP Security Settings

This procedure describes how to record the DX8100 IP security settings.

NOTE: Remain in the Windows operating system environment to perform the following procedure.

To record the DX8100 IP security settings:

1. Click the Start button.
2. Click Programs > Manage IPSec Policy.
3. Record the status of Enable IP Security Policy: Checked _____ Unchecked _____
4. Click Cancel to exit.

Task 4: Running the DX8100 Recovery Procedure

IMPORTANT:

- You must complete Tasks 1, 2, and 3 before running the recovery procedure.
- Complete the recovery procedure in *DX8100 Recovery Procedure* on page 7 before performing the import phase.

IMPORT PHASE

This section describes how to import the network settings that you previously backed up and is organized as follows:

- Task 5: Entering networking settings
- Task 6: Importing the DX8100 DVR settings
- Task 7: Configuring IP security settings

Task 5: Entering Networking Settings

This section describes how to enter the DX8100 network settings.

NOTE: If Obtain an IP Address Automatically was previously checked, skip this section.

To enter the DX8100 network settings:

1. From the DX8100 toolbar, click the Setup icon.
2. In the Setup dialog box, click Network.
3. Deselect Obtain an IP Address Automatically.
4. Type the IP address, subnet mask, and default gateway address that you previously recorded.
5. If applicable, enter the multicast group IP address.

Task 6: Importing the DX8100 DVR Settings

To import the DX8100 DVR settings:

1. Insert the USB Key into the front of the unit.
2. Click Edit > Import Setup.
3. Double-click the last drive on the list; this is your USB Key.
4. Locate the backup file you previously created, and then click Open. Your previously backed up settings will now be imported into your new installation.

   NOTE: Allow 60 seconds for the import process to finish, to ensure that all of the DX8100 settings are imported, before performing step 5.
5. To stop the USB device, do the following:
   a. From the DX8100 menu, click File > Unplug/Eject Hardware. The Unplug or Eject Hardware dialog box opens.
   b. Click Stop. The Stop a Hardware device dialog box opens.
   c. Select the USB device to which the DX8100 settings are exported.
   d. Click OK. The Safe to Remove Hardware dialog box opens.
   e. Click OK.
   f. Click Close.
6. Unplug the USB key.

Task 7: Configuring IP Security Settings

NOTE: If Enable IP Security Policy was previously checked, skip this section.

To configure the IP security settings:

1. Do the following:
   a. Click File > Exit. The "Shut down" dialog box opens.
   b. Select Exit to Windows Mode from the drop-down menu. The Log On to Windows dialog box opens.
   c. Enter the Windows operating system user name. (The default user name is DX8100ADM.)
   d. Enter the Windows operating system password. (The default password is dx8100.)
   e. Click OK. The system logs you on to the Windows operating system.
2. When in the Windows operating system environment, do the following:
   a. Click Start on the Windows operating system taskbar.
   b. Click Programs > Manage IPSec Policy. The DX8100 IPSec Policy dialog box opens.
   c. Click the Enable IP Security check box (if it is selected) to deselect it.
   d. Click OK.
3. Do the following:
   a. Click Start.
   b. Click Shut Down. The Shut Down Windows dialog box opens.
   c. Select Restart from the drop-down menu.
   d. Click OK. The DX8100 restarts.

DX8100 Recovery Procedure

The following recovery procedure describes how to recover your DX8100 software using the DX8100 Recovery DVD appropriate to the operating system (Windows 2000 or Windows XP Embedded) on which the DX8100 is currently running.

To recover DX8100 software using the DX8100 Recovery DVD:

1. Insert the DX8100 Recovery DVD into the DVD drive and do the following:
   a. Restart the DX8100.
   b. Enter the BIOS by pressing the Delete key when the Pelco splash screen is displayed.
   c. In the BIOS setup, go to the boot menu and select Boot Device Priority and then highlight CD/DVD.
   d. Press + until CD/DVD appears first in the list.
   e. Press F10 and then select OK to save your changes and exit. The DX8100 will restart and prompt you by displaying "Press any key to boot from CD."

      NOTE: This prompt is displayed for only a few seconds. If missed, the unit will not boot from the DX8100 Recovery DVD.
   f. Press the Space bar. When the loading process completes, the End User License Agreement dialog box opens.
   g. Do one of the following:
      - Click Accept to accept the licensing terms. The Warning screen is displayed.
      - Click Cancel.
   h. Type **Yes** in the text box to agree to the recovery procedure, and then click Proceed.
   i. Click Exit after the clone process is completed to restart the DX8100. The DX8100 restarts.
2. Do the following:
   a. Enter the BIOS by pressing the Delete key when the Pelco splash screen is displayed.
   b. In BIOS setup, go to the boot menu and select Boot Device Priority, and then highlight SATA.
   c. Press + until SATA appears first in the list.
3. Eject the DX8100 Recovery CD.
4. Press F10 and then select OK to save changes and exit. The DX8100 will reboot and prompt you to initialize the hard disks for use with the DX8100 database.
5. Click Cancel. The Log On to Windows dialog box opens.
6. Do the following:
   a. Enter the Windows operating system user name. (The default user name is DX8100ADM.)
   b. Enter the Windows operating system password. (The default password is dx8100.)
   c. Click OK. The system logs you on to the Windows operating system.
   d. Click Start.
   e. Click Shut Down. The Shut Down Windows dialog box opens.
   f. Select Restart from the drop-down menu.
   g. Click OK. The DX8100 restarts.
7. Click the plus (+) sign beside the PDB Group ID box to expand the tree.
   - If you are updating an existing system and you want to save previously recorded video, select Recovery on the PDB Group ID box. In this case, all of the boxes should be yellow and the individual drives should have Used selected. This step will save your recorded video.
   - If you are installing this system for the first time, make sure that Allocation is selected on each of the individual disk drives in the tree. This step will erase all data on all of the drives.
8. Click Begin Allocation to start the database initialization. Depending on the drive configuration, the DX8100 will take between five and 15 minutes to initialize the database and begin operation.
9. (Immediately following the completion of the initialization of the database) Verify the date, time, and time zone settings to ensure that video is being recorded at the correct date and time.

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Green The materials used in the manufacture of this document and its components are compliant to the requirements of Directive 2002/95/EC.

REVISION HISTORY

Manual #	Date	Comments
C2640M	9/06	Original version.
C2640M-A	5/07	Revised to include upgrade instructions for Windows 2000 and Windows XP Embedded v1.1.
C2640M-B	12/07	Revised to add the steps for accepting the Windows XP Embedded license agreement.

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